

FORM PTO-1449	Department of Commerce Patent and Trademark Office	Atty. Docket No. P20637	Application No. 09/744,989
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant K TSUGANEZAWA	
		Filing Date August 20, 1999	Group 1713

OTHER PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
4R	2 1 5 2 2 1 0	12/22/95	CANADA			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

4R	1	HIRAI et al., "Epimorphin: A Mesenchymal Protein Essential for Epithelial Morphogenesis", <u>Cell</u> , Vol. 69, pp. 471-481 (1992).
	2	GUMBINER, "Epithelial Morphogenesis", <u>Cell</u> , Vol. 69, pp. 385-387 (1992).
	3	ZHA et al., "The Epimorphin Gene is Highly Conserved among Humans, Mice, and Rats and Maps to Human Chromosome 7, Mouse Chromosome 5, and Rat Chromosome 12", <u>Genomics</u> , 37, pp. 386-389 (1996).
	4	HIRAI, "Molecular Cloning of Human Epimorphin: Identification of Isoforms and Their Unique Properties", <u>Biochemical Biophysical Research Communications</u> , Vol. 191, No. 3, pp. 1332-1337 (1993).
	5	OKA et al., SDB Meeting Abstract (B216) of 13th International Congress of Developmental Biology 56th SDB Annual Meeting, <u>Developmental Biology</u> Vol. 186 (1997).
	6	KOSHIDA et al., "Identification of Cellular Recognition Sequence of Epimorphin and Critical Role of Cell/Epimorphin Interaction in Lung Branching Morphogenesis", <u>Biochemical and Biophysical Research Communications</u> , Vol. 234, No. 2, pp. 522-525 (1997).
	7	HIRAI et al., "Epimorphin Functions as a Key Morphoregulator for Mammary Epithelial Cells", <u>The Journal of Cell Biology</u> , Vol. 140, pp. 159-169 (1998).
	8	PANARETTO, "Gene Expression of Potential Morphogens during Hair Follicle and Tooth Formation: a Review"; <u>Reprod. Fertil. Dev.</u> , pp. 345-360 (1993).
4R	9	MATSUKI et al., "Gene Expression of Epimorphin in Rat Incisor Ameloblasts", <u>Archs Oral Biol.</u> , Vol. 40, No. 2, pp. 161-164 (1995).

EXAMINER <i>David Ramey</i>	DATE CONSIDERED <i>8/12/97</i>
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

BEST AVAILABLE COPY



Duplicate
AR 8/12/14

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		App. Docket No. P20637		Serial No. 09/744,989	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant K. TSUGANEZAWA		Filing Date August 28, 1999	
				Group Unknown			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	5 7 2 6 2 9 8	03/10/98	HIRAI et al.				
	6 1 2 7 1 4 9	10/3/00	HIRAI et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	6 - 2 1 2 9 5	02/01/94	JAPAN				
	9 - 6 5 8 8 5	03/11/97	JAPAN				
	8 - 3 1 5 2 9 3	12/10/94	JAPAN				
	2 1 5 2 5 1 0	12/23/95	CANADA				
OTHER DOCUMENTS (Including Author, Title, Date, Publication Page(s), Etc.)							
1	Patent Abstracts of Japan for JP 9-65885.						
2	HIRAI et al., "Epimorphin: A Mesenchymal Protein Essential for Epithelial Morphogenesis", <i>Cell</i> , Vol. 69, pp. 471-481 (1992).						
4	GUMBINGER, "Epithelial Morphogenesis", <i>Cell</i> , Vol. 69, pp. 385-387 (1992).						
5	ZHA et al., "The Epimorphin Gene is Highly Conserved among Humans, Mice, and Rats and Maps to Human Chromosome 7, Mouse Chromosome 2, and Rat Chromosome 17", <i>Genomics</i> , 37, pp. 316-319 (1996).						
6	HIRAI, "Molecular Cloning of Human Epimorphin: Identification of Genes and Their Unique Properties", <i>Biochemical Biophysical Research Communications</i> , Vol. 191, No. 3, pp. 1332-1337 (1993).						
7	OKA et al., SDB Meeting Abstract (B216) of 13th International Congress of Developmental Biology 56th SDB Annual Meeting, <i>Developmental Biology</i> Vol. 186 (1997).						
8	KOSHIDA et al., "Identification of Cellular Recognition Sequence of Epimorphin and Critical Role of Cell/Epimorphin Interaction in Lung Branching Morphogenesis", <i>Biochemical and Biophysical Research Communications</i> , Vol. 234, No. 2, pp. 522-525 (1997).						
9	OKA et al., "Inductive Influences of Epimorphin on Endothelial Cells in Vitro", <i>Experimental Cell Research</i> , 222, pp. 189-198 (1996).						
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if citation overlooked, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

BEST AVAILABLE COPY

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P20637	Serial No. 09/744,989	RECEIVED
		Applicant K TSUGANEZAWA		
		Filing Date August 20, 1999	Group Unknown	TECH CENTER 1600/2900

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 7 2 6 2 9 8	03/10/98	HIRAI et al.			
	6 1 2 7 1 4 9	10/03/00	HIRAI et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	6 2 5 2 9 5	02/01/94	JAPAN			
	9 6 5 8 8 5	03/11/97	JAPAN			
	8 3 2 5 2 9 3	12/10/96	JAPAN			
	2 1 5 2 2 1 0	12/22/95	CANADA			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

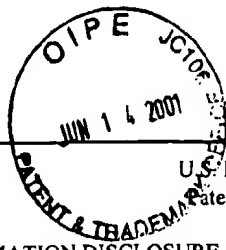
1	Patent Abstracts of Japan for JP 9-65885.
3	HIRAI et al., "Epimorphin: A Mesenchymal Protein Essential for Epithelial Morphogenesis", <u>Cell</u> , Vol. 69, pp. 471-481 (1992).
4	GUMBINER, "Epithelial Morphogenesis", <u>Cell</u> , Vol. 69, pp. 385-387 (1992).
5	ZHA et al., "The Epimorphin Gene is Highly Conserved among Humans, Mice, and Rats and Maps to Human Chromosome 7, Mouse Chromosome 5, and Rat Chromosome 12", <u>Genomics</u> , 37, pp. 386-389 (1996).
6	HIRAI, "Molecular Cloning of Human Epimorphin: Identification of Isoforms and Their Unique Properties", <u>Biochemical Biophysical Research Communications</u> , Vol. 191, No. 3, pp. 1332-1337 (1993).
7	OKA et al., SDB Meeting Abstract (B216) of 13th International Congress of Developmental Biology 56th SDB Annual Meeting, <u>Developmental Biology</u> Vol. 186 (1997).
8	KOSHIDA et al., "Identification of Cellular Recognition Sequence of Epimorphin and Critical Role of Cell/Epimorphin Interaction in Lung Branching Morphogenesis", <u>Biochemical and Biophysical Research Communications</u> , Vol. 234, No. 2, pp. 522-525 (1997).
9	OKA et al., "Inductive Influences of Epimorphin on Endothelial Cells in Vitro", <u>Experimental Cell Research</u> , 222, pp. 189-198 (1996).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Suppl. 5/12/9



Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P20637Serial No.
09/744,989INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
K TSUGANEZAWAFiling Date
February 16, 2001Group
Unknown

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- | | | |
|---|---|--|
| 1 | 0 | HIRAI et al., "Epimorphin Functions as a Key Morphoregulator for Mammary Epithelial Cells", <u>The Journal of Cell Biology</u> , Vol. 140, pp. 159-169 (1998). |
| 1 | 1 | PANARETTO, "Gene Expression of Potential Morphogens during Hair Follicle and Tooth Formation: a Review", <u>Reprod. Fertil. Dev.</u> , pp. 345-360 (1993). |
| 1 | 2 | MATSUKI et al., "Gene Expression of Epimorphin in Rat Incisor Ameloblasts", <u>Archs Oral Biol.</u> , Vol. 40, No. 2, pp. 161-164 (1995). |

RECEIVED

MAY 30 2002

RECEIVED

MAR 29 2002

TC 1700

TECH CENTER 1600/2900

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Application 5/12/4